

SM3D portal's founder as a science-wide top scientist

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Since 2019, John P. A. Ioannidis – a Greek-American physician-scientist, writer, and Stanford University professor – and his colleagues have created and updated the database of global science-wide top scientists [1-3], frequently referred to as “Stanford’s list of world’s top 2% most-cited scientists”. Those scientists are from 22 scientific fields and 176 sub-fields. The database indicates both the career-long impact and single-year impact of the scientist, which are measured by the standardized information on citations, h-index, co-authorship adjusted hm-index, citations to papers in different authorship positions, and a composite indicator (c-score). The latest database of science-wide top scientists was updated on October 10, 2022, by Ioannidis [4].



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September 2022 data-update for "Updated science-wide author databases of standardized citation indicators"

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Description

Citation metrics are widely used and misused. We have created a publicly available database of top-cited scientists that provides standardized information on citations, h-index, co-authorship adjusted hm-index, citations to papers in different authorship positions and a composite indicator (c-score). Separate data are shown for career-long and, separately, for single recent year impact. Metrics with and without self-citations and ratio of citations to citing papers are given. Scientists are classified into 22 scientific fields and 176 sub-fields. Field- and subfield-specific percentiles are also provided for all scientists with at least 5 papers. Career-long data are updated to end-of-2021 and single recent year data pertain to citations received during calendar year 2021. The selection is based on the top 100,000 scientists by c-score (with and without self-citations) or a percentile rank of 2% or above in the sub-field. 195,605 scientists are included in the career-long database and 200,409 scientists are included in the single recent year dataset. This version (4) is based on the Sept 1, 2022 snapshot from Scopus, updated to end of citation year 2021. This work uses Scopus data provided by Elsevier through ICSR Lab (<https://www.elsevier.com/icsr/icsrlab>).

Calculation were performed using all Scopus author profiles as of September 1, 2022. If an author is not on the list it is simply because the composite indicator value was not high enough to appear on the list. It does not mean that the author does not do good work. Please also note that the database has been published in an archival form and will not be changed. The published version accurately reflects Scopus author profiles at the time of calculation. Some authors may not appear on the list if their Scopus profile was inaccurate (missing publications and citations) at the time of calculation. We thus advise authors to ensure that their Scopus profiles are accurate. Requests for corrections of the Scopus data should not be sent to us. They should be sent directly to Scopus, preferably by use of the Scopus to ORCID feedback wizard (<https://orcid.scopusfeedback.com/>) so that the correct data can be used in any future annual updates of the citation indicator databases.

Dataset metrics

Usage

Views: 1828110
Downloads: 484733

Mentions

Blog Mentions: 5
News Mentions: 19
References: 29

Social Media

Shares, Likes & Comments: 60369
Tweets: 180



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Figure: The database of 2022 science-wide top scientists, retrieved from

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4>

In the 2022 updated database, one of the founders of SM3D Portal – Dr. Quan-Hoang Vuong – appears in the list of career-long impact (ranked at 240,933th) and single-year impact (ranked at 22,704th). Last year, he also appeared in the 2021 lists of top-career-long-impact scientists (ranked at 294,101th) and top-single-year-impact scientists (ranked at 46,350th). If we only consider the career-long and single-year impacts within the fields of Social Sciences and Humanities, he is ranked at 12,703th and 2,989th, respectively.

Most of Dr. Vuong’s impact has come from his key contribution to the philosophy of science and newly developed theories and concepts, such as the mindsponge theory, cultural additivity, SM3D knowledge management framework [5-10], etc. These philosophies, theories, and concepts are also the backbones of the SM3D portal. Therefore, evidence of Dr. Vuong’s global impact has given our team some vital hope for the flourishing of the portal in the near future.

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